

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Dong-youp GU et al.

Application No.: 10/061,347

Group Art Unit: 2621

Confirmation No.: 8155

Filed: February 4, 2002

Examiner: Mishawn N. DUNN

For: METHOD OF SETTING AN ENVIRONMENT FOR A PORTABLE DATA STORAGE
DEVICE BY USING A COMPUTER AND A PORTABLE DATA STORAGE DEVICE
EMPLOYING THE METHOD

REQUEST FOR REFUND TO DEPOSIT ACCOUNT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Attached hereto is a copy of an Amendment filed October 13, 2006 in the subject application. The Fee Transmittal indicates that there are 12 independent claims in the Amendment. However, inspection of the Amendment shows that only 11 independent claims were filed. Therefore, the fee of \$200.00 (Fee Code 1201) for extra independent claims should not have been paid.

Accordingly, it is respectfully requested that this charge be credited to Deposit Account No. 19-3935 and that the Patent Office acknowledge this credit in writing to the undersigned.

Respectfully submitted,

STAAS & HALSEY LLP

Date: April 16, 2007

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Amendment Fee Transmittal; Amendment (13 pages)

APPLICANT(S): Dong-youp GU et al.

SERIAL NO: 10/061,347

CONFIRMATION NO. 8155

TITLE: METHOD OF SETTING AN ENVIRONMENT FOR A PORTABLE DATA
STORAGE DEVICE BY USING A COMPUTER AND A PORTABLE DATA
STORAGE DEVICE EMPLOYING THE METHOD

FILING DATE: February 4, 2002

DOCKET NO: 1349.1056/GWH:na

DUE DATE: October 28, 2006



REPLY/AMENDMENT FEE TRANSMITTAL		Attorney Docket No.	1349.1056
		Application Number	10/061,347
		Filing Date	February 4, 2002
		First Named Inventor	Dong-young GU et al.
		Group Art Unit	2621
AMOUNT ENCLOSED	\$200.00	Examiner Name	Mishawn N. Dunn

FEE CALCULATION (fees effective 12/08/04)

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	36	- 47 =	0	X \$ 50.00 =	\$ 0.00
INDEPENDENT CLAIMS	12	- 11 =	1	X \$ 200.00 =	200.00

Since an Official Action set an original due date of October 28, 2006, no extension of time fees are due:

If Notice of Appeal is enclosed, add (\$500.00)

If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$130.00)

Information Disclosure Statement (Rule 1.17(p)) (\$180.00)

Total of above Calculations =

\$ 200.00

Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)

TOTAL FEES DUE =

\$ 200.00

(1) If entry (1) is less than entry (2), entry (3) is "0".

(2) If entry (2) is less than 20, change entry (2) to "20".

(4) If entry (4) is less than entry (5), entry (6) is "0".

(5) If entry (5) is less than 3, change entry (5) to "3".

METHOD OF PAYMENT

☒ Check enclosed as payment.

☐ Charge "TOTAL FEES DUE" to the Deposit Account No. below.

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GENERAL AUTHORIZATION

☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:

Deposit Account No.

19-3935

Deposit Account Name

STAAS & HALSEY LLP

☒ The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC § 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.

SUBMITTED BY: STAAS & HALSEY LLP

Typed Name	Gregory W. Harper	Reg. No.	55,248
Signature	<i>Gregory W. Harper</i>	Date	<i>Oct 13, 2006</i>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

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For: METHOD OF SETTING AN ENVIRONMENT FOR A PORTABLE DATA STORAGE
DEVICE BY USING A COMPUTER AND A PORTABLE DATA STORAGE DEVICE
EMPLOYING THE METHOD

AMENDMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action mailed July 28, 2006, and having a period for response set to expire on October 28, 2006.

The following amendments and remarks are respectfully submitted. Reconsideration of the claims is respectfully requested.

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 2, 10, 11, 16, 23, 24, 28, 29, 33, 35 and 38, and AMEND claims 1, 3, 4, 16, 17, 18, 26, 30, 31, 34 and 36 in accordance with the following:

1. (Currently Amended) A method of setting an environment for a portable data storage device that has an interface for interfacing with a host computer thereby enabling a mutual data transmission with the host computer, the method comprising:
assigning one or more environment setting command code in a reserve code area that is not in use, the mutual data transmission between the portable data storage device and the computer being performed by exchange of a command frame via the interface, the command frame having an operation code area and an operand area;
determining whether a code contained in the operation code area of the command frame received from the computer is one of the one or more environment setting command code; and
if the code contained in the operation code area of the command frame is one of the one or more environment setting command code, updating environment setting data stored in the portable data storage device with the environment setting data contained in the operand area of the command frame,

wherein the environment setting command code comprises a time setting command code, and the environment setting data comprises time data representing a current time.

2. (Cancelled)

3. (Currently Amended) The method of claim 21, wherein the time data is standard time data downloaded to the computer from a time server.

4. (Currently Amended) The method of claim 21, wherein said portable data storage device comprises a digital video camcorder, said method further comprising:
recording the time data in a time recording sector of a magnetic tape during operation of the digital video camcorder.

5. (Original) A method of recording time on a digital video camcorder that interfaces with a computer to enable mutual data transmission with the computer, the method comprising:
assigning a time setting command code to at least one code in a reserve area of a communication protocol;
receiving an operation code area and an operand area in a command frame of the communication protocol from the computer, the operation code area containing the time setting command code, and the operand area containing time data corresponding to the time setting command code;
counting current time in the digital video camcorder based on the time data contained in the operand area; and
recording the current time on a predetermined part of a magnetic tape during a recording operation of the digital video camcorder.

6. (Original) The method of claim 5, wherein the time data is standard time data downloaded via the Internet to the computer from a time server that provides the standard time.

7. (Original) A digital video camcorder, comprising:
an interface for communicating with an external host computer;
a microcomputer configured to count a current time based on time data transmitted from the external host computer; and
a head for recording audio/video data on a magnetic tape, said head recording the current time on a predetermined part of the magnetic tape.

8. (Original) The digital video camcorder of claim 7, further comprising:
a storage portion for storing the time data.

9. (Original) The digital video camcorder of claim 7, wherein the time data is standard time data downloaded via the Internet to the computer from a time server that provides the standard time.

10-11. (Cancelled)

12. (Original) A method of providing a time reference for a digital video camcorder, comprising:

providing an interface which exchanges data between the digital video camcorder and a computer using a predetermined communications protocol;

transmitting an updated time and a time set command from the computer to the digital video camcorder in a command frame of the communications protocol;

storing the updated time in the digital video camcorder in response to the time set command; and

counting time within the digital video camcorder beginning with the stored updated time.

13. (Original) The method of claim 12, wherein the data protocol is an IEEE-1394 protocol.

14. (Original) The method of claim 12, wherein the method further comprises:
providing an internet connection between the computer and a time server; and
securing the updated time from the time server.

15. (Currently Amended) A digital video camcorder, comprising:
a camera which senses audio and visual information and converts the audio and visual information to first digital data;
a microcomputer which controls the digital video camera;
an interface which communicates second digital data from an external computer to the microcomputer, the second digital data comprising at least one command for setting an environment parameter of the digital video camcorder and an associated value for the at least one environment parameter; and

a non-volatile memory which stores the communicated associated value, wherein the microcomputer controls the digital camera based on the communicated associated value,

wherein:

the microcomputer generates third digital data based on the communicated associated value; and

the digital video camcorder further comprises a head which records the first digital data and the third digital data on respective predetermined areas of a recording medium.

16. (Cancelled)

17. (Currently Amended) A digital video camcorder, comprising:

a camera which senses audio and visual information and converts the audio and visual information to first digital data;

a microcomputer which controls the digital video camera;

an interface which communicates second digital data from an external computer to the microcomputer, the second digital data comprising at least one command for setting an environment parameter of the digital video camcorder and an associated value for the at least one environment parameter; and

a non-volatile memory which stores the communicated associated value, wherein the microcomputer controls the digital camera based on the communicated associated value.
~~The digital video camcorder of claim 15,~~

wherein:

the communicated associated value is time data;

the microcomputer counts a current time based on the time data; and

the digital camcorder further comprises a head which records the first digital data and the time data on respective predetermined areas of a recording medium.

18. (Currently Amended) The digital video camcorder of claim 15, wherein the at least one command for setting an environment parameter of the digital video camcorder and the associated value for the at least one environment parameter are communicated in a reserved area of a command frame of a predetermined communications protocol.

19. (Original) The digital video camcorder of claim 18, wherein the predetermined communications protocol is an IEEE-1394 protocol.

20. (Original) The digital video camcorder of claim 18, wherein the predetermined communications protocol is an RS-232 protocol.

21. (Original) The digital video camcorder of claim 18, wherein the predetermined communications protocol is an USB protocol.

22. (Original) The digital video camcorder of claim 18, wherein the predetermined communications protocol is a wireless communications protocol.

23-24. (Cancelled)

25. (Original) A method of communicating instructions for setting an environment value of a digital camcorder using a computer, the method comprising:
assigning a first command code which identifies the digital video camcorder;
assigning a second command code to at least one reserve code area of a communication protocol, the second command code identifying the environment value to be set;
assigning the environment value relating to the second command code;
transmitting a command frame from the computer to the digital video camcorder, said command frame comprising at least the first command code, the second command code and the environment value; and
setting the environment value based on the second command code and the environment value.

26. (Currently Amended) A method of updating an operational configuration setting of a portable data storage device from a host computer, the method comprising:
detecting a connection between said portable data storage device and said host computer;
transmitting from said host computer a command to update said operational configuration setting together with a update value of said operational configuration setting;

receiving by said portable data storage device said command and said update value; and
storing within said portable data storage device said update value as a new value for said
operational configuration setting,

wherein said step of transmitting said command and said update value comprises:

assigning a command code representing said command, said command code
being selected from among normally unused ones of a plurality of codes available in a
communication protocol being employed for communications between said portable device and
said host computer;

assembling a command frame comprising a command code field and an operand
field, said command code field containing said command code, and said operand field
containing said update value; and

sending said command frame from said host computer to said portable data
storage device using said communication protocol.

27. (Original) The method in accordance with claim 26, further comprising:

upon detection of said connection, transmitting a request from said portable data storage
device to said host computer for said update value of said operational configuration setting; and

upon receipt of said update value, transmitting from said portable data storage device to
said host computer an acknowledgement message indicating safe receipt of said command and
said update value.

28-29. (Cancelled)

30. (Currently Amended) A method of updating an operational configuration setting
of a portable data storage device from a host computer, the method comprising:

detecting a connection between said portable data storage device and said host
computer;

transmitting from said host computer a command to update said operational
configuration setting together with a update value of said operational configuration setting;

receiving by said portable data storage device said command and said update value; and
storing within said portable data storage device said update value as a new value for said
operational configuration setting.

wherein

said operational configuration setting comprises a current time setting, said method further comprising downloading by said host computer from a remote time server a standard time value.~~The method in accordance with claim 29, wherein~~

said step of transmitting said command and said update value comprises:
upon detection of said connection, automatically transmitting said command and said update value from said host computer to said portable data storage device without an intervention by a user of said portable data storage device.

31. (Currently Amended) A computer readable storage medium having stored thereon a set of instructions for implementing a method of updating an operational configuration setting of a portable data storage device from a host computer, said set of instructions comprising one or more instructions for:

detecting a connection between said portable data storage device and said host computer;

upon detection of said connection, transmitting from said host computer a command to update said operational configuration setting together with a update value of said operational configuration setting;

receiving from said portable data storage device by said host computer an acknowledgement message indicating safe receipt of said command and said update value,

wherein:

said operational configuration setting comprises a current time setting of said portable data storage device.

said one or more instructions for transmitting said command and said update value comprises one or more instructions for upon detection of said connection, automatically transmitting said command and said update value from said host computer to said portable data storage device without an intervention by a user of said portable data storage device.

32. (Original) The computer readable storage medium according to claim 31, wherein said one or more instructions for transmitting said command and said update value comprises one or more instructions for:

assigning a command code representing said command, said command code being

selected from among normally unused ones of a plurality of codes available in a communication protocol being employed for communications between said portable device and said host computer;

assembling a command frame comprising a command code field and an operand field, said command code field containing said command code, and said operand field containing said update value; and

sending said command frame from said host computer to said portable data storage device using said communication protocol.

33. (Cancelled)

34. (Currently Amended) The computer readable storage medium according to claim 33, wherein said set of instructions further comprises one or more instructions for: downloading by said host computer from a remote time server a standard time value.

35. (Cancelled)

36. (Currently Amended) A portable data storage device, comprising:
a memory for storing operational configuration setting of said portable data storage device;

an interface for connecting to and communicating with a host computer using a predetermined communications protocol, and for receiving from said host computer a command to update said operational configuration setting together with a update value of said operational configuration setting; and

a microcomputer configured to control said memory and said interface to, upon receipt of said command and said update value, cause said received update value to be stored in said memory as a new value for said operational configuration setting,

wherein said microcomputer is further configured to decode said received command and said received update value, said command being received as a command frame, said command frame comprising a command code field and an operand field, said command code field containing a command code representing said command, and said operand field containing said update value, said command code being selected from among normally unused ones of a

plurality of codes available in a communication protocol being employed for communications between said portable device and said host computer.

37. (Original) The portable data storage device according to claim 36, wherein:

said microcomputer is further configured, upon detection of said connection to said host computer, to transmit to said host computer a request for said update value of said operational configuration setting, and, upon receipt of said update value, to transmit to said host computer an acknowledgement message indicating safe receipt of said command and said update value.

38. (Cancelled)

39. (Original) The portable data storage device according to claim 36, wherein:

said operational configuration setting comprises a current time setting.

40. (Original) The portable data storage device according to claim 36, wherein:

said portable data storage device comprises a digital video camcorder.

41. (Original) The portable data storage device according to claim 36, wherein:

said portable data storage device comprises a personal digital assistant.

42. (Original) The portable data storage device according to claim 36, wherein:

said portable data storage device comprises a portable music player.

43. (Original) The portable data storage device according to claim 36, wherein:

said predetermined communications protocol is an IEEE-1394 protocol.

44. (Original) The portable data storage device according to claim 36, wherein:

said predetermined communications protocol is an RS-232 protocol.

45. (Original) The portable data storage device according to claim 36, wherein:

said predetermined communications protocol is a USB protocol.

46. (Original) The portable data storage device according to claim 36, wherein:
said predetermined communications protocol is a wireless communications protocol.

47. (Original) The portable data storage device according to claim 36, wherein:
said memory is a non-volatile memory.

REMARKS

INTRODUCTION

In accordance with the foregoing, claims 1, 3, 4, 15, 17, 18, 26, 30, 31, 34 and 36 have been amended. Claims 2, 10, 11, 16, 23, 24, 28, 29, 33, 35 and 38 have been cancelled. Claims 1, 3-9, 12-15, 17-22, 25-27, 30-32, 34, 36, 37 and 39-47 are pending and under consideration.

CLAIM REJECTIONS

Claims 1, 10, 11, 15, 23, 26, 27, 31, 32, 34, 36, 37 and 40-47 were rejected under 35 USC 103(a) as being unpatentable over Hirasawa (US 6,980,233) (hereinafter "Hirasawa") in view of Aoki et al. (US 6,279,061) (hereinafter "Aoki").

Claims 24, 29, 33 and 39 were rejected under 35 USC 103(a) as being unpatentable over Hirasawa in view of Aoki and further in view of Gonzalez (US 6,023,769) (hereinafter "Gonzalez").

Independent claims 1, 15, 26, 31 and 36 have been amended to include the allowable subject matter of claims 2, 16, 28, 35 and 38, respectively, and are therefore believed to be allowable for at least the foregoing reason.

Claims 10, 11, 23, 24 and 29 have been cancelled. Claims 27, 32, 34, 37 and 39-47 are dependent on one of claims 26, 31 and 36, respectively, and are therefore believed to be allowable for at least the foregoing reasons.

Withdrawal of the foregoing rejections is requested.

ALLOWABLE SUBJECT MATTER

The Applicants acknowledge with appreciation that claims 5-9, 12-14 and 25 have been allowed and that claims 2-4, 16-22, 28, 30, 35 and 38 have been found to contain allowable subject matter. Claims 2, 16, 28, 35 and 38 have been cancelled. Claims 17 and 30 have been rewritten in independent form. It is respectfully submitted that claims 3, 4 and 18-22 are allowable in their present condition.

CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: Oct 13, 2006

By: Gregory W. Harper
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